## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|-------|------|--|--|---------------------|---------|---------------------|
| S39   | 33   | Azuma with<br>Tomohiro   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/06/24<br>09:05 |
| S40   |      | array adj3 antenna<br>and (multi\$2carrier<br>or sub\$2carrier) with<br>(group\$4 or add\$3<br>or sum\$4 or<br>summation or<br>addition) same<br>(switch\$3 with matri<br>\$3)                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/06/24<br>09:48 |
| S41   | 1    | array adj3 antenna<br>and (multi\$2carrier<br>or sub\$2carrier) with<br>(group\$4 or add\$3<br>or sum\$4 or<br>summation or<br>addition) same<br>(switch\$3 with matri<br>\$3) and calibrat\$3 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/06/24<br>09:49 |
| S42   | 221  | array adj3 antenna<br>and (multi\$2carrier<br>or sub\$2carrier) with<br>(group\$4 or add\$3<br>or sum\$4 or<br>summation or<br>addition)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/06/24<br>09:50 |
| S43   | 1    | array adj3 antenna<br>and (multi\$2carrier<br>or sub\$2carrier)<br>same (switch\$3 with<br>matri\$3) and calibrat<br>\$3   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/06/24<br>09:50 |
| S44   | 4    | JP adj3 "10336149"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/06/24<br>11:27 |
| S45   | 1012 | ((TAKAKUSAKI with<br>KEIJI) or (MIYA with<br>KAZUYUKI) or<br>(HIRAMATSU with<br>KATSUHIKO))  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/06/24<br>11:58 |

| S46 | 35 | S45 and antenna<br>with array and<br>(calibrat\$3 or<br>feedforward)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>11:59 |
|-----|----|--|--|----|----|---------------------|
| S49 | 39 | S45 and sub\$2carrier  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>12:05 |
| S50 | 1  | S45 and sub\$2carrier<br>and calibrat\$3   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>12:05 |
| S52 | 64 | multi\$2carrier and<br>subcarrier and<br>(calibrat\$3 or feed<br>\$2forward) and<br>antenn\$2 adj3 array                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>12:19 |
| S53 | 7  | 09/347,182   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>12:29 |
| S54 | 5  | subcarrier same<br>calibrat\$3 same<br>group\$3 and antenn<br>\$2 with array and<br>transmitter  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>13:33 |
| S55 | 23 | subcarrier same<br>group\$3 and calibrat<br>\$3 and antenn\$2<br>with array and<br>transmitter   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>13:35 |
| S56 | 3  | subcarrier same<br>group\$3 same (add<br>\$3 or sum\$4 or<br>combin\$3) and<br>calibrat\$3 and antenn<br>\$2 with array and<br>transmitter | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>13:35 |
| S58 | 3  | subcarrier same<br>calibrat\$3 with<br>(weight\$3 or<br>coefficien\$2) and<br>antenn\$2 with array<br>and transmitter                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>13:48 |

| S62 | 5    | subcarrier same<br>calibrat\$3 same (add<br>\$3 or sum\$4 or<br>combin\$3) and<br>antenn\$2 with array   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>13:50 |
|-----|------|--|--|----|----|---------------------|
| S63 | 10   | (sub\$2carrier or multi<br>\$2carrier) same<br>calibrat\$3 same (add<br>\$3 or sum\$4 or<br>combin\$3) and<br>antenn\$2 with array   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>13:52 |
| S64 | 80   | (sub\$2carrier or multi<br>\$2carrier) same<br>(calibrat\$3 or correct<br>\$3 or modif\$5 or<br>feedforward) same<br>(add\$3 or sum\$4 or<br>combin\$3) and<br>antenn\$2 with array                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>13:56 |
| S65 | 70   | \$64 not \$63  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>13:56 |
| S66 | 4    | transmission adj2<br>baseband adj2<br>process\$3 same<br>(multi\$2carrier or sub<br>\$2carrier)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>14:14 |
| S67 | 1860 | (sub\$2carrier or multi<br>\$2carrier) same<br>(calibrat\$3 or correct<br>\$3 or modif\$5 or<br>feedforward) same<br>(add\$3 or sum\$4 or<br>combin\$3)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>14:14 |
| S68 | 2599 | (sub\$2carrier or multi<br>\$2carrier or OFDM)<br>same (calibrat\$3 or<br>correct\$3 or modif\$5<br>or feedforward)<br>same (add\$3 or sum<br>\$4 or combin\$3)  | US-PCPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24<br>14:23 |
| S69 | 235  | (sub\$2carrier or multi<br>\$2carrier or OFDM)<br>same (calibrat\$3 or<br>correct\$3 or modif\$5<br>or feedforward) with<br>(add\$3 or sum\$4 or<br>combin\$3) same<br>(transmitter or<br>transceiver) | US-PCPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/24          |

| S70 | 183 | (sub\$2carrier or multi<br>\$2carrier or OFDM)<br>same (calibrat\$3 or<br>correct\$3 or<br>feedforward) with<br>(add\$3 or sum\$4 or<br>combin\$3) same<br>(transmitter or<br>transceiver) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR |     | 2008/06/24<br>14:25 |
|-----|-----|--|--|----|-----|---------------------|
| S71 | 132 | S70 and antenn\$2  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/06/24<br>14:26 |
| S72 | 169 | S69 and antenn\$2  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/06/24<br>14:26 |
| S73 | 3   | (sub\$2carrier or multi<br>\$2carrier or OFDM)<br>same (calibrat\$3)<br>with (add\$3 or sum<br>\$4 or combin\$3)<br>same (transmitter or<br>transceiver)                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/06/24          |
| S74 | 37  | S72 not S71  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/06/24<br>14:52 |
| S75 | 12  | (sub\$2carrier or multi<br>\$2carrier or OFDM)<br>same (calibrat\$3 or<br>correct\$3 or<br>feedforward) with<br>(add\$3 or sum\$4 or<br>combin\$3) same<br>(transceiver)                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/06/24<br>15:00 |
| S76 | 183 | (sub\$2carrier or multi<br>\$2carrier or OFDM)<br>same (calibrat\$3 or<br>correct\$3 or<br>feedforward) with<br>(add\$3 or sum\$4 or<br>combin\$3) same<br>(transmitter or<br>transceiver) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON. | 2008/06/25<br>07:59 |
| S77 | 59  | multi\$2carrier and<br>subcarrier and<br>calibrat\$3 and antenn<br>\$2 adj3 array  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/06/25<br>08:01 |

| S78  | 348 | (transceiver) and (transmiss or modulatiss) same (serial adj1 parallel or S82P or multiplex\$ 30 rdemultiplex\$ 30 rdemultiplex\$ 30 rdemultiplex\$ or multis2carrier or rutils2carrier or OFDM) same (calibrat \$3 or correct\$3 or feedforward) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2008/06/25<br>08:15 |
|------|-----|---|--|------|----|---------------------|
| S79  | 270 | (transceiver) and (transmi\$5 or modulat\$3) same (serial adj 1 parallel or \$\$2P or multiplex \$3 or demultiplex\$3) with (sub\$2carrier or multi\$2carrier or GFDM) same (calibrat \$3 or correct\$3 or feedforward)                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2008/06/25<br>08:21 |
| \$80 | 72  | (transceiver) and (transmis5 or modulat\$3) same (serial adj 1 parallel or \$\$2P or multiplex \$3 or demultiplex\$3) with (sub\$2carrier or multi\$2carrier or OFDM) with (calibrat \$3 or correct\$3 or feedforward)                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2008/06/25<br>08:21 |
| S81  | 65  | (transceiver) and (transmis5 or modulats3) with (serial adj 1 parallel or S\$2P or multiplex \$3 or demultiplex\$3) with (sub\$2carrier or multi\$2carrier or CFDM) with (calibrat \$3 or correct\$3 or feedforward)                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2008/06/25<br>08:23 |
| S82  | 4   | (transceiver) and<br>(transmi\$5 or<br>modulat\$3) with<br>(serial adj! parallel<br>or \$\$2P or multiplex<br>\$3 or demultiplex\$3)<br>with (frequency adj!<br>hop\$4) with (calibrat<br>\$3 or correct\$3 or<br>feedforward)                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2008/06/25          |

| S85 | 72   | (transceiver) and (transmi\$5 or modulat\$3) same (serial adj 1 parallel or \$\$2P or multiplex\$3 or demultiplex\$3) with (sub\$2carrier or multi\$2carrier or CFDM) with (calibrat \$3 or correct\$3 or feedforward)                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ÖR | ON | 2008/06/25<br>15:56 |
|-----|------|---|--|----|----|---------------------|
| S86 | 65   | (transceiver) and (transmi\$5 or modulat\$3) with (serial adj1 parallel or \$\$2P or multiplex \$3 or demultiplex\$3) with (sub\$2carrier or multi\$2carrier or OFDM with (calibrat \$3 or correct\$3 or feedforward)                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/25<br>15:56 |
| S87 | 7    | S85 not S86   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/25<br>15:56 |
| S88 | 4    | (transoeiver) and<br>(transmi\$5 or<br>modulat\$3) with<br>(serial adj1 parallel<br>or \$\$2P or multiplex\$3<br>3 or demultiplex\$3<br>with (frequency adj1<br>hop\$4) with (calibrat<br>\$3 or correct\$3 or<br>feedforward)          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/25          |
| S89 | 1055 | array with antenn\$2 and transceiver and (multi\$2carrier or sub \$2carrier or multi \$2tone or DMT or OFDM) and (serial adj 1 parallel or \$82 or multiplex\$3 or demultiplex\$3 or demultiplex\$3 or combin \$3 or add\$3 or sum \$4) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/27<br>18:54 |

| S90 | 75  | array with antenn\$2 and transceiver and (multi\$2carrier or sub \$2carrier or multi \$2tone or DMT or OFDM) and (serial adi 1 parallel or \$\$2P or multiplex\$3 or demultiplex\$3) and (group\$3 or combin \$3 or add\$3 or sum \$4) and calibrat\$3 with transmi\$5 with (route or channel) | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/27<br>18:57 |
|-----|-----|--|--|----|----|---------------------|
| S91 | 111 | sub\$2carrier with   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/27<br>20:01 |
| S92 | 8   | sub\$2carrier with (S/<br>P or serial-to-<br>parallel) with IDFT   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/27<br>20:02 |
| S93 | 37  | sub\$2carrier same<br>(S/P or serial-to-<br>parallel) same IDFT  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/27<br>20:09 |
| S94 | 29  | \$93 not \$92  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/27<br>20:09 |
| S95 | 11  | sub\$2carrier with (\$/<br>P or serial-to-<br>parallel) with DFT   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/27<br>21:20 |

<sup>10/27/2008 1:12:50</sup> PM

C:\ Documents and Settings\ TWang\ My Documents\ EAST\ Workspaces\ 10694722.wsp